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	4,310,400	1/12/82	Mark, Jr., et al.	204	195 M				
	5,552,241	9/3/96	Mamantov, et al.	429	103				
	5,827,602	10/27/98	Koch, et al.	429	194				
	5,589,291	12/31/96	Carlin, et al.	429	103				
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1	Document	Date	Country	Class	Sub	T			
	Number		Country	Class	Class	Translation Yes or No			
			(Including Author, Tit			•			
000000000000000000000000000000000000000	Koch, et al., The	Intrinsia Anac	die Stability of Several e. 2 (Mereh 1996)	Anions Co	mprising S	uivent-Free ionic Liquids, J.			
	Lipsztajn, et al. Electrochemical Reduction of N (4 Butyl) Pyridmian Cation in 1-Metnyi-3-Etnyilmidazolium								
	Chloride Aluminium Chloride Ambient Temperature Ionic Liquids, Electrochemica Acta, Vol. 29, No. 10, pp								
	Fannin, Jr., et al., Properties of 1,3-Dialkylimidazolium Chloride-Aluminum Chloride Ionic Liquids. 2. Phase Transitions, Densities, Electrical Conductivities, and Viscosities, J. Phys. Chem, 88, 2614-2621 (1984) mo								
	Transidons, Dens	illes, Electrica	ai Conductivities, and	Viscosities,	J. Phys. C	hem, 88, 2614-2621 (1984), mo			
000000000000000000000000000000000000000	Suarez, et al., The	ules, Electrica 	ai Conductivities, and Tonic Liquids in Two-	Viscosities, ————————————————————————————————————	J. Phys. C	Chloride Ionic Liquids. 2. Phase them, 88, 2614-2621 (1984) mo ogenation Reaction By Rhodium			
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	Suarez, et al., The Complexes, Polyl Suarez et al. Enl	- Use Of New edion, Vol. 1	onductivities, and Homic Liquids in Two- 5, No. 7, pp. 1217-12	Viscosities, Phase Catt (***********************************	J. Phys. C	them, 88, 2614-2621 (1984) mo			
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	Suarez, et al., The Complexes, Polyl Suarez et al. Enl and water-stable. Wilkes, et al., Air Commun., pp. 966	des, Electrica des Of New edion, Vol. 1 argod electro molten salts. 1 and Water St. 5 966 (1982)	al Conductivities, and fonic Liquids in Two- 5, No. 7, pp. 1217-12 chemisel window in di Electrochimica Acta. \ able 1 Ethyl 3 methyli	Viscosities, Phase Cate 19 (1990) Olly Fimida (of 42, No.	J. Phys. C alytic Hydro colium cati 16, pp. 25 Based for	chem, 88, 2614-2621 (1984) mo. Digenation Reaction By Rhodium Dir based room-temperature air 23-2635 (1997) Dic Liquius, J. Chem Soc., Chem.			
00000000000000000000000000000000000000	Suarez, et al., The Complexes, Pelyl Suarez, et al., Enl and water-stable i Wilkes, et al., Air. Commun., pp. 96:	rdse Of Nevi redron, Vol. 1 argod electro molten salts, l and Water St. 5 966 (1992)	al Conductivities, and fortic Liquids in Two- 5, No. 7, pp: 1217-12 chemical window in di Electrochimica Acta, \ able 1 Ethyl 3 methyli idazolium Chlorolumi	Viscosities, Phase Cate 19 (1990) alkyl-imide (ol. 42, No. midazolium	J. Phys. C alytic Hydro zolium catil 16, pp. 25 Based for	chem, 88, 2614-2621 (1984) mo. Digenation Reaction By Rhodium Dir based room-temperature air 33-2535 (1937) Dic Liquius, J. Chem Soc., Chem.			
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		T				2 01 2				
		Fuller Molte	et al. Structure of 1 Ethyl 3. n Salts. I. Chem. Soc., Chem	mothylimida Commun	zelium Hexefluorophosphate: N pp. 298-300 (1994)	lodel for Room Temperature				
<i>/</i>	1111 0 5	Fuller, et al., The Room Temperature Ionic Liquid 1-Ethyl-3-methyllmidazollum Tetrafluoroborate: Electrochemical Couples and Physical Proporties, J. Electrochem. Soc., Vol. 144, No. 11, pp. 3881-3886.								
	JUL 0 7 2004 (2)	(Nove	mher 1997)	1881	ee, d: Licettochem: Suc., Vol. 1	44, No. 11, pp. 3881-3886.				
B				Itan Electrol	do Pottorios I Electus	000000000000000000000000000000000000000				
	CRADEMARKS	L76. (July 1994)		de Batteries, d. Electrochem. S	oc., voi. 141, No. /, pp. L/3-				
}		Carlin	ot al. Payaraible Lithium Co							
		Carlin, et al., Reversible Lithium Grephite Anodes in Room-Temperature Chloroaluminate Melts, J. Electrochem Soc. Vol. 141, No. 3, pp. L21 L22. (March 1994).								
	000000000000000000000000000000000000000	Scordilis Kelley, et al., Stability and Electrochemistry of Lithium in Room Temperature Chioroaluminate								
-	000000000000000000000000000000000000000	Molten Salts, J. Electrochem. Sec., Vel. 141, No. 4, pp. 873-075. (April 1994).								
	000000000000000000000000000000000000000	Euller, et al. In Situ Optical Microscopy Investigations of Lithium and Sodium Film Formation in Burrerea								
		Room Temperature Melten Salts, J. Electrochem. Soc., Vol. 143, No. 7, pp. L145-L147. (July 1996).								
	000000000000000000000000000000000000000	Koch, et al., The Interfacial Stability of Li with Two New Selvent-Free Ionic Liquids. 1,2-Dimetnyi-3-								
		propylimidazolium Imida and Mathida, J. Electrochem. Soc., Vol. 142, No. 7, pp. L116-L118. (July 199)								
		Caja, et al., Reem Temperature Molten Salts (Ionic Liquids) as Electrolytes in Rechargeable Lithium								
		Batteries, published in GAE Acrospace Power Systems Conference (April 6-8, 1999), Mesa, Arizona, pp.								
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ŀ	Examiner		/John Maples/		Date Considered	11/10/2008				
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